

# Sonia Sargolzaei

sousargol@gmail.com ▪ www.linkedin.com/in/sonia-sargolzaei ▪ Houston, TX

## WORK EXPERIENCE

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**Software Engineer at Ebay** – *San Jose, CA (remote)* Present

- Experience with **Golang** and **Kubernetes**, with a focus on developing robust plugins for seamless storage integration, with hands-on experience in Kubernetes **orchestration** and **containerization**
- Managed an **entire lifecycle** of a service deployment, including design, code reviews, optimization and testing
- Worked in close collaboration with the development and QA to deliver service features in a timely manner and with quality
- Experienced at working on **testing suites** to analyze codes and deployments, find code bugs and fix code defects
- Experience with **Agile** process for continuous learning and delivery of features

**Data Analyst Intern at Degree Analytics** – *Austin, TX (remote)* August 2021

*Advisor: Aaron Benz, David Palumbo*

- Used **Python** and **AWS** QuickSight to develop an analytics dashboard showcasing Diversity, Equity, and Inclusion data for secondary schools across the United States

## EDUCATION

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**MSc., Georgia Institute of Technology** – *Atlanta, GA* May 2022

- **Computer Science**, specializing in Machine Learning
- GPA: 3.90 / 4.0
- **Selected Course Work:** Algorithms, Deep Learning, Machine Learning, Data and Visual Analytics

**BSc. University of Tehran** – *Tehran, Iran* Dec 2017

- **Computer Engineering**
- **Selected Course Work:** Data Structure and Algorithms, Engineering Probability and Statistics, Introduction to Artificial Intelligence, Calculus, Differential Equations, Discrete Mathematics, Advanced Programming

## SKILLS

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Programming Languages

- **Golang** (proficient), **Python** (proficient), **C++** (Intermediate), **C** (Intermediate), **SQL** (Intermediate)

Tools

- **KubectI** (Proficient), **Git** (proficient), **AWS** (intermediate)

Web Technologies

- **HTML** (proficient), **CSS** (intermediate), **JavaScript** (intermediate), **D3** (intermediate)

## SELECTED SCHOOL PROJECTS

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- Cleaned and transformed a large size WiFi dataset of students in “Contact Tracing” and “Wifi Study” projects to infer high-risk locations, events and gatherings at Georgia Tech campus using Pandas library on **Python**
- Used **Python** and **D3** to perform data processing on a large Safegraph dataset create a adjusted map of US cities based on their popularity
- Used **Python** for data preparation and analysis in SMISA (Social Media Influence on Stocks App) project–data analysis on Twitter and Reddit data to make predictions about future stock prices using Sentiment Analysis
- Used **Spark**, **Scala** and **Docker** to analyze, compute measures and present results on a large dataset using multiple cloud platforms: **AWS**, **DataBricks** and **GCP**
- Used **SQLite** and **Python** to create tables, perform vertical database partitioning, creating indexes and calculating proportions for large databases
- Used **D3**, **HTML** and **CSS** to create visualizations for datasets to show trends and rankings in the dataset